

***This is only a **preview** of the exam task statements for the Training & Experience Examination. You will be asked to respond to each task statement indicating how your training and experience relate to each. To take the actual exam, please refer back to the bulletin and click the “Click here to go to the Internet exam” link at the bottom of the bulletin.

Training and Experience Evaluation Preview Criminalist

The California civil service selection system is merit-based and eligibility for appointment is established through a formal examination process. This examination consists of a Training and Experience evaluation used to evaluate your education and experience relevant to the position.

This Training and Experience evaluation is a scored component accounting for 100% of your rating in the examination process. It is important to complete the questionnaire carefully and accurately. Your responses are subject to verification before appointment to a position.

To answer all the test items (task statements) in this exam, you will be required to choose from among the provided answers.

Instructions

Rate your experience performing specific job-related tasks.

Respond to each of the following statements by indicating how the statement applies to you. You are required to respond to every question.

In responding to each statement, you may refer to your WORK EXPERIENCE, whether paid or volunteer, your EDUCATION, and/or FORMAL TRAINING COURSES you have completed.

PLEASE NOTE: This examination is designed to gain an overall assessment of your education and experience as it directly relates to the duties and the knowledge, skills and abilities required for this position. All components of this examination have been carefully validated by tying them directly to job requirements and documenting their relevance to the position.

Tasks for Criminalist

1. Identify the number of units you have successfully completed in General Chemistry.
2. Identify the number of units you have successfully completed in Quantitative Analysis.
3. Identify the number of units you have successfully completed in Organic Chemistry.
4. Identify the number of units you have successfully completed in Biochemistry.
5. Identify the number of units you have successfully completed in Biology.
6. Identify the number of units you have successfully completed in Genetics.
7. Identify the number of units you have successfully completed in Molecular Biology.
8. Identify the number of units you have successfully completed in Statistics.
9. Identify the number of units you have successfully completed in Inorganic Chemistry.
10. Identify the number of units you have successfully completed in Physical Chemistry.
11. Identify the number of units you have successfully completed in Anatomy.
12. Identify the number of units you have successfully completed in Physiology.
13. Identify the number of units you have successfully completed in Microbiology.
14. Identify the number of units you have successfully completed in each course of study:
Botany.
15. Identify the number of units you have successfully completed in Pharmacology.
16. Identify the number of units you have successfully completed in Forensic
Science/Criminalistics.
17. Identify the number of units you have successfully completed in Toxicology.
18. Identify the number of units you have successfully completed in Physics.
19. Identify the number of units you have successfully completed in Instrumental
Analysis.
20. Describe your knowledge and/or experience with Gas Chromatography.
21. Describe your knowledge and/or experience with a Mass Spectrometers.
22. Describe your knowledge and/or experience with a Fourier Transform Infrared
Spectrometer (FTIR).
23. Describe your knowledge and/or experience with a Compound Microscope (Bright
Field, Polarizing or Phase Contrast).
24. Describe your knowledge and/or experience with Capillary Electrophoresis.
25. Describe your knowledge and/or experience with Polymerase Chain Reaction –
Thermal Cyclers.
26. Describe your knowledge and/or experience with Automated Sequencers.

27. Describe your knowledge and/or experience with Blood, Breath, and Urine Alcohol Analysis, or Controlled Substance Analysis.
28. Describe your knowledge and/or experience with DNA Analysis - Polymerase Chain Reaction, Short Tandem Repeat (STR), Mitochondrial DNA, or Massive Parallel Sequencing.
29. What is your knowledge and/or experience with Toxicology
30. Describe your knowledge and/or experience with Liquid Chromatography
31. Describe your knowledge and/or experience with an Infrared Spectrometer (Dispersive)
32. Describe your knowledge and/or experience with a UV – Visible Spectrometer.
33. Describe your knowledge and/or experience with a FTIR Microscope.
34. Describe your knowledge and/or experience with a Fluorescence Microscope.
35. Describe your knowledge and/or experience with Comparison Microscopes.
36. Describe your knowledge and/or experience with Scanning Electron Microscopes
37. Describe your knowledge and/or experience with Atomic Absorption.
38. Describe your knowledge and/or experience with Emission Spectrometers.
39. Describe your knowledge and/or experience with Energy Dispersive X-Ray (EDX/XRF).
40. Describe your knowledge and/or experience with Radioactive Detection Techniques (radioisotopes).
41. Describe your knowledge and/or experience with Chemiluminescence Detection Techniques.
42. Describe your knowledge and/or experience with Clandestine Lab Analysis.
43. Describe your knowledge and/or experience with Conventional Serology Blood or Semen.
44. Describe your knowledge and/or experience with Impression Evidence Firearms or Tool marks.
45. Describe your knowledge and/or experience with Tire Impressions or Shoe Impressions and Prints.
46. Describe your knowledge and/or experience with Trace Arson, Explosive Residue, Paint, Hair, Fiber, Glass, or Mineral Grains/Soils.
47. Describe your knowledge and/or experience with Digital Evidence - Mobile Phone Extraction or Computer Forensics.
48. Describe your knowledge and/or experience with Crime Scene Evidence Collection or Reconstruction.
49. What is your knowledge and/or experience with Latent Print Comparison.
50. What experience do you have with LIMS (Laboratory Information Management System).
51. What experience do you have with CODIS (Combined DNA Index System).
52. What experience do you have providing court testimony as a qualified expert

